

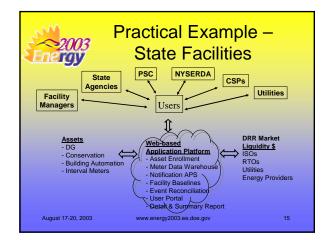




- Decrease the need to build new generation and transmission facilities
- Cost Reduction
- Improves Environmental Quality
- Manage Congestion
- Improves System Reliability
- Improves Economic Efficiency
- Market Power Reduction

August 17-20, 2003

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Enabling Technologies for DRP

- Interval metering, energy monitoring and load data display capabilities
- Offer-participant interface capabilities (for notification, alarming & remote control)
- Software to enable analysis and enhanced performance by facility operators
- Building automation & energy management systems
- Interface/controls for back-up generation
- Aggregation of multiple sites
- Billing & settlement, including verification of performance

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Funding for these **Enabling Technologies**



- · Real-Time Demand Response-
 - 100% of the hardware costs for the first 1,000 installations, charged back to NEPOOL on a Load Zone basis

 - For customers 300kW or more of load reduction available, NEPOOL will cover \$100 of the monthly fee for IBCS
- Real-time Price Response
 - 50% of the installation costs will be covered by NEPOOL

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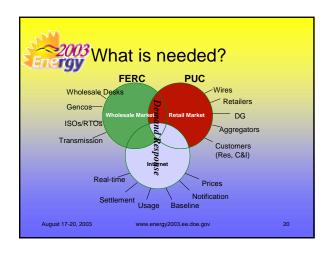
Funding for these **Enabling Technologies**



- · New York State Energy Research and Development
- Administered by the New York Energy \$mart program
- Principal goal is to help all New York State utility customers solve their energy and environmental problems while developing new, innovative products and services that can be manufactured or commercialized by New York State firms.
- Issue funds through Competitive Solicitations and Unsolicited Proposals

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2003 Ene**rgy**

Senate Approved Energy Bill

- Incentives or tax credits for advance metering and other enabling technologies.
- Requirements by Utilities, States, DOE and ISOs for aggressive implementation of demand response and annual reporting requirements by FERC on the progress toward established goals for demand response implementation.
- A requirement for all Federal facilities to implement advanced metering systems.

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Call to Action

- Determine demand response potential
- Investigate Energy Bill requirements
- Evaluate enabling technologies
- Develop demand response strategic plan

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